

5302D-02A (5302D-01A) 电子样本库

产品名称	5302D-02A (5302D-01A) 电子样本库
公司名称	上海持承自动化设备有限公司
价格	200.00/个
规格参数	PCB:5000 in-lb 5302D: ± 0.10 % FS 美国:0 to 8500 Hz
公司地址	上海市金山区吕巷镇干巷荣昌路318号3幢1018室
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产品详情

5302D-02A (5302D-01A) 电子样本库

5302D-02A (5302D-01A) 客户的口碑、5302D-02A (5302D-01A) 规格之高

PCB L&T TORKDISC System, 16-bit telemetry system, 2,000 in-lb/167 ft-lb (226 N-m) rated capacity, 200% static overload protection, 15,000 RPM Max., anodized aluminum

Measurement Range: 2000 in-lb (226 Nm)

Temperature Range: +32 to +185 ° F (0 to +85 ° C)

Torsional Stiffness: 5800000 in-lb/radian (655312 N-m/radian)

Overload Limit: 3300 in-lb (373 Nm)

Housing Material: Anodized Aluminum

Weight: 3.5 lb (1.6 kg)

PERFORMANCE
Measurement Range (Full Scale Capacity) 2000 in-lb 226 Nm
Accuracy ± 0.10 % FS ± 0.10 % FS
[4] Frequency Range (-3 dB) 0 to 8500 Hz 0 to 8500 Hz
Filter Type (High Pass) 2-pole Butterworth 2-pole Butterworth
[5][6] Filter Type (Low Pass - Anti Alias) 8-pole Elliptical 8-pole Elliptical
Voltage Output (channel A - AC coupled) ± 10 V ± 10 V
Voltage Output (channel B - DC coupled) ± 10 V ± 10 V
Gain (Channel A) 1-16 dB 1-16 dB
Gain (Channel B) 0.3-1.3 dB 0.3-1.3 dB
Digital Output QSPI QSPI
[1] Maximum Load (Axial) 500 lb 2.2 kN
[2][3] Maximum Load (Lateral) 500 lb 2.2 kN
[2][3] Maximum Moment 1500 in-lb 169 Nm
[2][3] ENVIRONMENTAL
Overload Limit (Bolt Joint Slip) 3300 in-lb 373 Nm
[7] Overload Limit (Failure) 8000 in-lb 904 Nm
Overload Limit (Safe) 6000 in-lb 678 Nm
Temperature Range (Rotor/Stator -

Operating) +32 to +185 ° F 0 to +85 ° C Temperature Range (Rotor - Compensated) +70 to +170 ° F +21 to +77 ° C Temperature Range (Receiver - Operating) 0 to +122 ° F -17.7 to 50 ° C Temperature Effect on Output (System - within compensated range) 0.002 %FS/ ° F 0.0036 %FS/ ° C Temperature Effect on Zero Balance (System - within compensated range) 0.002 %FS/ ° F 0.0036 %FS/ ° C Position Sensitivity (180 ° rotation of sensor) 0.1 % FS 0.1 % FSELECTRICAL Power Required 9 to 18 VDC 9 to 18 VDC [8] Digital Resolution 16 Bit 16 Bit Digital Sample Rate 26484 samples/sec 26484 samples/sec Analog Resolution (based on ± 10 V FSO and 16-bit resolution) 0.31 mV 0.31 mV PHYSICAL Maximum Speed 15000 RPM 15000 RPM Permissible Axial Float (rotor to stator) 0.25 in 6.4 mm Permissible Radial Float (rotor to stator) 0.25 in 6.4 mm Rotating Inertia (without adaptors) 0.056 in-lb/sec 20.006 N-m/sec 2 Dynamic Balance per ISO G 2.5 per ISO G 2.5 Torsional Stiffness 5800000 in-lb/radian 655312 N-m/radian Torsional Angle (at Full Scale Capacity) 0.020 ° 0.020 ° Housing Material (Sensor) Anodized Aluminum Anodized Aluminum Weight (rotor/sensor) 3.5 lb 1.6 kg

All specifications are at room temperature unless otherwise specified.

Product Notes

[1] Request Technical Note FTQ-STN5 regarding digital output signal. [2] Extraneous load limits reflect the maximum axial load, lateral load, and bending moment that may be applied singularly without electrical or mechanical damage to the sensor. [3] Where combined extraneous loads are applied, decrease loads proportionally. [4] Root sum square of non-linearity, hysteresis, and non repeatability. [5] Selectable High Pass cutoff frequencies of 5, 10, 20, 200 and 500 Hz. [6] Selectable Low Pass cutoff frequencies of 10,000, 5000, 2500, 1200, 625 and 313 Hz. [7] Bolt joint slip torque is calculated assuming a coefficient of friction () of 0.1 and that grade 8 socket head cap screws are used and tightened to 30% of yield. [8] Supplied with universal AC power adaptor. [9] See PCB Declaration of Conformance PS069 for details.

Accessories:

Supplied 012AC024AT Cable(1) 182-028A Connector(1) M0003978 Power supply(1)